### **2018 Structure Summary Report**

**Overall Unit and Item Ratings** 

## San Joaquin County Flood Control and Water Conservation District

### **Duck Creek Diversion Weir And Control Structure**

erall Unit Rating	Rated Item	Item Rating
Α	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	А
	Encroachments	А
	Culverts: Inlets / Outlets	М
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	Α
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	М
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	Α
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

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### **2018 Structure Summary Report**

**Overall Unit and Item Ratings** 

# San Joaquin County Flood Control and Water Conservation District (cont.)

### **Mormon Slough Pumping Plant No. 1**

Overall Unit Rating	Rated Item	Item Rating		
A	Operating Log	Α		
	Operation & Maintenance Manual	Α		
	Plant Building	Α		
	Communications	Α		
	Safety	Α		
	Cranes	N		
	Pumps	Α		
	Power	Α		
	Motors, Engines, Fans & Gear Reducers			
	Pump Control Systems	Α		
	Sumps/Wet Well	Α		
	Trash Racks	Α		
	Trash Rakes	N		
	Sluice / Slide Gates	Α		
	Electric Gate Operators	N		
	Manual Gate Operators	Α		
	Other Metallic Items	Α		
	Flap Gates	Α		
	Closure Structures	N		
	Security Fencing	М		
	Intake and Discharge Pipes	Α		

### **Mormon Slough Pumping Plant No. 2**

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	Α
	Operation & Maintenance Manual	Α
	Plant Building	Α
	Communications	Α
	Safety	Α
	Cranes	N
	Pumps	Α
	Power	Α
	Motors, Engines, Fans & Gear Reducers	Α
	Pump Control Systems	Α
	Sumps/Wet Well	Α
	Trash Racks	Α
	Trash Rakes	N
	Sluice / Slide Gates	М
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Other Metallic Items	Α
	Flap Gates	Α
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	А

### **2018 Structure Summary Report**

**Overall Unit and Item Ratings** 

# San Joaquin County Flood Control and Water Conservation District (cont.)

## **Mormon Slough Pumping Plant No. 3**

erall Unit Rating	Rated Item	Item Rating
A	Operating Log	Α
	Operation & Maintenance Manual	А
	Plant Building	А
	Communications	А
	Safety	А
	Cranes	N
	Pumps	А
	Power	Α
	Motors, Engines, Fans & Gear Reducers	Α
	Α	
	Sumps/Wet Well	Α
	Trash Racks	Α
	Trash Rakes	N
	Sluice / Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Other Metallic Items	Α
	Flap Gates	Α
	Closure Structures	N
	Security Fencing	М
	Intake and Discharge Pipes	Α

### **Unit Cover Sheet**

### **2018 Structure Inspection Results**

# San Joaquin County Flood Control and Water Conservation District

Structure	
Duck Creek Diversion Weir And Control Structure	

Structure Rating	Α
Date of Inspection	6/21/2018
DWR Inspector	Dave Torres
Accompanied By	Jim Caruso San Joaquin County

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Duck Creek Diversion Weir And Control Structure		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	N	Issue No.		24	
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Photo Documentation		37.93838	33°	37.938383°		
пеш				-120.990133 ° -120		-120.990133 °	
DWR ID	ID DWR_NA0017_5_t _ 2013_24						
Action/Comments							

Inspector Comments: Duck Creek Diversion Structure works as a control weir for Duck Creek and also diverts the overflow of the channel to Duck Creek Diversion channel which connects with Little John Creek.

LM Start	0.00	Rating **	N	Issue No.	24 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the weir. Summer 2018

Photo 2 of 2: ST\_2018\_NA0017\_5\_24\_20180530\_00012.jpg



View of the weir.

LM Start	0.00	Rating **	Α	Issue No.		2
LM End	0.00	Issue Type +	Ма	Location *		
Category	Structures & Concrete Lined		GPS Latitude/Longitud		le/Longitude	
Calegory	Channels	els		Start		End
Item	Vegetatio	n & Obstructions		37.93838	3°	37.938383 °
пеш				-120.99013	3°	-120.990133 °
DWR ID	DWR_NA0	017_5_t _ 2012	_2			

#### Action/Comments

Inspector Comments: There was minimal vegetation with new cat tails growth on the upstream side of the weir with minimal potential to impede flow.



View of the vegetation looking upstream of the weir. Summer 2018

\* Location

LS : Land Side

WS : Water Side

CR : Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected VW : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

in En : Enforcement

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Duck Creek Diversion Weir And Control Structure		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.		2 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Item	Vegetation & Obstructions			37.9383	83°	37.938383 °
item	m			-120.9901	33 °	-120.990133 °
DWR ID	DWR ID DWR_NA0017_5_t _ 2012_2					
Action/Comments						

Inspector Comments: There was minimal vegetation with new cat tails growth on the upstream side of the weir with minimal potential to impede flow.



View of the vegetation looking upstream of the weir. Summer 2017

LM Start	0.00	Rating **	Α	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures	_ined	GPS Latitude/Longitude			
Calegory	Channels		Start		End	
Item	Shoaling / Sedimentation			37.9383	83°	37.938383 °
пеш				-120.9901	33°	-120.990133 °
DWR ID	DWR_NA0017_5_t _ 2012_3					
Action/Comments						

Inspector Comments: No shoaling or sediment was present.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	4			
LM End	0.00	Issue Type +	Ma	Location *				
Cotogoni	Structures & Concrete Lined Channels			GPS Latitude/Longitude				
				Start		End		
ltom	Erosion / Bank Caving			37.93838	3°	37.938383	0	
Item				-120.99013	3°	-120.990133	0	
DWR ID	DWR_NA0017_5_t _ 2012_4							
	Action/Comments							

Inspector Comments: No erosion or bank caving was observed.

No Photos

Location LS: Land Side WS: Water Side

A: Acceptable : Minimally Acceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Duck Creek Diversion Weir And Control Structure		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
Item	Revetments			37.9383	83°	37.938383 °
пеш				-120.9901	33 °	-120.990133 °
DWR ID	DWR_NA0017_5_t _ 2012_5					·
	Action/Comments					

Inspector Comments: Existing riprap protection was properly

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ма	Location *	



View of the revetments looking downstream of the weir.

Photo 2 of 2 : ST\_2018\_NA0017\_5\_5\_20180530\_00003.jpg



View of the revetments looking upstream of the weir.

LM Start	0.00	Rating **	Α	Issue No.	6		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	Channels			Start		
Item	Encroachments			37.938383°		37.938383	0
				-120.9901	33 °	-120.990133	0
DWR ID	DWR_NA0	017_5_t _ 2012	_6				
		Action/	Comme	nts			
Inspector structure.	Comments	: No trash or	debris we	ere found a	rour	nd the	

No Photos

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Duck Creek Diversion Weir And Control Structure		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	М	Issue No.	7	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
Item	Culverts: Inlets / Outlets			37.9383	83 °	37.938383 °
item				-120.9901	33 °	-120.990133 °
DWR ID	DWR_NA0					
Action/Comments						

Inspector Comments: The culvert's inlet had minor debris that should be cleared and the outlet were free of any debris.

LM Start	0.00	Rating **	М	Issue No.	7 (cont)
I M End	0.00	Issue Type +	Ma	Location *	



View of the intlet of the culvert. 2018

Photo 2 of 2: ST\_2018\_NA0017\_5\_7\_20180625\_00015.jpg



View of the outlet of the culvert. 2018

LM Start	0.00	Rating **	Α	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude			
	Channels	Channels				End	
Item		Culverts: Breaks / Holes / Cracks		37.9383	83 °	37.938383	0
item	Cracks			-120.9901	33 °	-120.990133	٥
DWR ID	DWR_NA0	017_5_t _ 2012	_8				
		A - 1' 1	0	-1-			

#### Action/Comments

Inspector Comments: No visible cracks or holes were found that would result in significant water leakage in the culvert.

No Photos

\* Location

LS: Land Side

WS: Water Side

CR: Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Duck Creek Diversion Weir And Control Structure		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.		9	
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete I	_ined	GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End	
Item	Metal Pip	es		37.9383	83°	37.938383	0
пеш				-120.9901	33 °	-120.990133	0
DWR ID	DWR_NA0	017_5_t _ 2012	_9				
			_				

Action/Comments

Inspector Comments: The corrugated pipes inside the culvert appeared to be in good condition.

No Photos

No Photos

Rating \*\* Issue No. LM Start 0.00 Ν 10 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Racks 37.938383° 37.938383 ° Item -120.990133 ° -120.990133 ° DWR ID DWR NA0017 5 t 2012 10

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			ined GPS Latitude/Longit			
Calegory	Channels			Start End		End	
Item	Flap Gate	Flap Gates		37.9383	83°	37.938383 °	
iteiii				-120.9901	33 °	-120.990133 °	
DWR ID DWR_NA0017_5_t _ 2012_11							
Action/Comments							

Inspector Comments: No flap gates were present at this structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable

M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Duck Creek Diversion Weir And Control Structure		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	М	Issue No.	12	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category Channels				Start		End
Item	Sluice/Slice	de Gates		37.9383	83°	37.938383 °
пеш					-120.990133 °	
DWR ID	DWR_NA0017_5_t _ 2012_12					
Action/Comments						

Inspector Comments: The gates appeared to be in good working condition. The screw gate needs to be maintained properly so that it can be turned with ease.



View of the slide gate. Summer 2018

LM Start	0.00	Rating **	N	Issue No.		13
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category Channels			Start		End	
Item	Electric G	ate Operators	;	37.9383	83°	37.938383°
item		Start         End           ate Operators         37.938383 ° 37.9383           -120.990133 ° -120.9901	-120.990133 °			
DWR ID	DWR_NA0	017_5_t _ 2012	_13			
		A otion/	Commo	nto.		

Action/Comments

Inspector Comments: No electric gate operator was found at this structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	14		
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete I	GPS Latitude/Longitude				
Calegory	Channels	els Star		Start		End	
Item	Manual G	ate Operators	<b>;</b>	37.93838	3°	37.938383	0
пеш				-120.99013	3°	-120.990133 °	0
DWR ID	DWR_NA0	_NA0017_5_t _ 2012_14					
Action/Comments							

Inspector Comments: The manual gate appeared to be operational.

No Photos

Location LS: Land Side WS: Water Side

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### **Levee Inspection Report By Mile - Structure 2018**

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Duck Creek Diversion Weir And Control Structure		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.	15	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS La	titud	le/Longitude	
Category Channels		Start		End		
Item	Concrete	Surfaces		37.9383	83 °	37.938383
пеш			Cocation *  GPS Latitude/Longitude  Start End  37.938383 ° 37.938383  -120.990133 ° -120.990133	-120.990133 °		
DWR ID DWR_NA0017_5_t _ 2012_15						
Action/Comments						

Inspector Comments: The concrete surfaces had minor cracking and the surface was weathered but they didn't pose any threats to the integrity of the structure.

LM Start	0.00	Rating **	Α	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the weir and the concrete surface during 2018 inspection.

Photo 2 of 2: ST\_2018\_NA0017\_5\_15\_20180530\_00008.jpg



View of the weir and the concrete surface during 2017 inspection.

LM Start	0.00	Rating **	Α	Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined		GPS La	atituc	de/Longitude			
Calegory	Channels			Start		End	
Item	Concrete	Concrete Tilting / Settlement		37.9383	83°	37.938383	
Item				-120.9901	33 °	-120.990133	
DWR ID	DWR_NA0	017_5_t _ 2012	_16				
		Action/	Comme	nts			
Inspector ( structure.	Comments	: No visible sl	iding or s	settlement	was	found on the	

No Photos

\* Location

LS: Land Side

WS: Water Side

\*\* Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Duck Creek Diversion Weir And Control Structure		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete I	GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Concrete	Foundations		37.9383	83°	37.938383	0
пеш				-120.9901	33 °	-120.990133	0
DWR ID	DWR_NA0	A0017_5_t _ 2012_17					
	Action/Comments						

Inspector Comments: No scouring or erosion was found near the structure.

Issue No. LM Start 0.00 Rating \*\* Ν 18 Issue Type + Ма Location \* 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Security Fencing 37.938383° 37.938383 ° Item -120.990133° -120.990133 °

DWR\_NA0017\_5\_t \_ 2012\_18 DWR ID

Action/Comments

Inspector Comments: No security fence was found in this structure.

No Photos

No Photos

Issue No. Rating \*\* LM Start 0.00 19 0.00 Issue Type + Location \* I M End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Closure Structures 37.938383° 37.938383 ° Item -120.990133 ° -120.990133 ° DWR ID DWR\_NA0017\_5\_t \_ 2012\_19 Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable

U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma: Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Duck Creek Diversion Weir And Control Structure		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	N	Issue No.	20		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Channels			Start		End		
Item	Trash Rakes			37.9383	83 °	37.938383 °	
item			-120.9901	33 °	-120.990133 °		
DWR ID	DWR_NA0017_5_t _ 2012_20						
Action/Comments							

Inspector Comments: Trash rakes don't exist on this structure.

LM Start	0.00	Rating **	Α	Issue No.		21		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS Latitude/Longitude					
Category	Channels			Start		End		
Item	Other Metallic Items			37.93838	3°	37.938383	0	
nem				-120.99013	3°	-120.990133	0	
DWR ID	DWR_NA0	017_5_t _ 2012	_21					
A ation / Common anto								

Action/Comments Inspector Comments: All metal parts appeared to be in good condition.

Rating \*\* Issue No. LM Start 0.00 22 0.00 Issue Type + Ма Location \* LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Monolith Joints 37.938383° 37.938383 ° Item -120.990133 ° -120.990133 °

DWR\_NA0017\_5\_t \_ 2012\_22 DWR ID

Action/Comments

Inspector Comments: All the monolith joint materials appeared to be in good condition.

No Photos

No Photos

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Duck Creek Diversion Weir And Control Structure		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.		23
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude		
Category Channels			Start		End	
Item	Safety			37.9383	83°	37.938383 °
пеш				-120.9901	33 °	-120.990133 °
DWR ID	DWR_NA0017_5_t _ 2012_23					
Action/Comments						

Inspector Comments: The wood railing top of the culvert appeared to provide adequate protection against fall hazards.

LM Start	0.00	Rating **	Α	Issue No.	23 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the railing on the top of the inlet culvert.

Photo 2 of 2: ST\_2018\_NA0017\_5\_23\_20180530\_00010.jpg



View of the fence at the outlet of the structure.

LM Start	0.00	Rating **	Α	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Operation & Maintenance			37.938383 °		37.938383	
Manual					33 °	-120.990133
DWR ID	DWR_NA0	017_5_t _ 2013	_1			
Action/Comments						
Inspector ( office.	Comments	: The LMA ha	s the pro	per O&M r	nanı	uals at their

No Photos

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

### **Unit Cover Sheet**

### 2018 Pumping Plant Inspection Results

# San Joaquin County Flood Control and Water Conservation District

Pumping Plant	
Mormon Slough Pumping Plant No. 1	

Pumping Plant Rating	Α
Date of Inspection	6/21/2018
DWR Inspector	Dave Torres
Accompanied By	Jim Caruso San Joaquin County Channel Maintenance

NA0017

#### Flood Control Project Maintenance Levee Inspections

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 1		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.	1	
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations			GPS Latitude/Longitude			
			Start		End	
Itom	Item Operating Log			37.989633°		37.989633°
пеш				-121.26693	3°	-121.266933 °
DWR ID	DWR ID DWR_NA0017_18_t _ 2012_1					
Action/Comments						

Inspector Comments: Operating log was maintained and present at the pumping plant.



View of the operation log in the plant.

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *			
Category	egory Pump Stations			GPS Latitude/Longitude			
Calegory				Start		End	
Item		Operation & Maintenance			33°	37.989633°	
пеш	Manual			-121.2669	33 °	-121.266933 °	
DWR ID	WR ID DWR_NA0017_18_t _ 2012_2						
A :: 10							

#### Action/Comments

Inspector Comments: The O&M Manual was missing due to recent vandalism. The office has another copy of O&M manual.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations			GPS Latitude/Longitude				
				Start		End	
Item Plant Building			37.989633°		37.989633 °		
				-121.2669	33 °	-121.266933 °	
DWR ID	DWR ID DWR_NA0017_18_t _ 2012_3						
Action/Comments							

Inspector Comments: The plant building was in good structural condition.

#### Photo 1 of 1: ST\_2018\_NA0017\_18\_3\_20180625\_00016.jpg



View of the pumping plant.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 1		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.		4
LM End	0.00	Issue Type +	Ма	Location *		
Category	Pump Sta	ump Stations GPS Latitude/L				e/Longitude
Calegory				Start End		End
Item	Communi	cations		37.989633	°	37.989633 °
пеш				-121.266933	°	-121.266933 °
DWR ID DWR_NA0017_18_t _ 2012_4						
		A .: /	_			

Action/Comments

Inspector Comments: District personnel carry cell phones and radios for communication.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations			GPS Latitude/Longitude			
Calegory		Start		End		
Item	Safety			37.9896	33°	37.989633 °
item				-121.2669	33 °	-121.266933 °
DWR ID	DWR_NA0	017_18_t _ 201	2_5			

### Action/Comments

Inspector Comments: There were no safety hazards found around the structure and the guard rails around the structure were in good condition.



View of the guard rails around the plant.

LM Start	0.00	Rating **	N	Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Stations				GPS Latitude/Longitude		
Calegory				Start		End	
Item	Cranes			37.9896	33 °	37.989633	0
пеш				-121.2669	33 °	-121.266933	0
DWR ID	DWR_NA0	017_18_t _ 201	2_6				
		A -4: /	C	-1-			

Action/Comments Inspector Comments: No crane was present at this plant. No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 1		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations				GPS La	titud	e/Longitude	
Calegory	alegory			Start		End	
Item	Pumps			37.9896	33 °	37.989633 °	
пеш			-121.26693	33 °	-121.266933 °		
DWR ID DWR_NA0017_18_t _ 2012_7							
	Action/Comments						

Inspector Comments: All pumps appeared to be in working condition and they were maintained, lubricated and tested periodically.

LM Start	0.00	Rating **	Α	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the pumps inside the plant.

Photo 2 of 2: ST\_2018\_NA0017\_18\_7\_20180530\_00006.jpg



View of the shaft under a pump.

LM Start	0.00	Rating **	Α	Issue No.		8
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations				GPS Latitude/Longitude		
Calegory			Start		End	
Item	Power			37.98963	3°	37.989633 °
item				-121.26693	33°	-121.266933 °
DWR ID DWR_NA0017_18_t _ 2012_8						
		A - 1' 1	<u> </u>	-1-		

Action/Comments

Inspector Comments: The power source appeared to be safe and reliable.



View of the power source next to the pumping plant.

Location LS: Land Side WS: Water Side

A: Acceptable : Minimally Acceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 1		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	N	Issue No.		10
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Sta	tions		GPS Latitude/Longitude		
Calegory				Start		End
Item		ngines, Fans	& Gear	37.9896	33°	37.989633°
item	Reducers			-121.266933 °		-121.266933 °
DWR ID	DWR_NA0	017_18_t _ 201	2_10			
		Action/	Comme	nts		

No Photos

LM Start	0.00	Rating **	Α	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Pump Co	ntrol Systems		37.98963	3°	37.989633	۰
item				-121.26693	3°	-121.266933	۰
DWR ID	DWR_NA0	017_18_t _ 201	2_11				

### Action/Comments

Inspector Comments: The pump control systems were maintained properly and appeared to be free of damage even though vandalism has occurred inside the plant building.



View of the pump control system inside the plant.

LM Start	0.00	Rating **	Α	Issue No.		12
LM End	0.00	Issue Type +	Ма	Location *		
Category Pump Stations				GPS Latitude/Longitude		
Calegory			Start		End	
Item	Sumps/W	et Well		37.98963	3°	37.989633 °
item				-121.26693	3°	-121.266933 °
DWR ID DWR_NA0017_18_t _ 2012_12						
		Action/	Comme	nts		

Inspector Comments: The wet well was completely dry and very little debris was present during inspection.



\* Location
LS: Land Side
WS: Water Side
CR: Crown

A : Acceptable
M : Minimally Acceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 1		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.	13	
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations				GPS Latitude/Longitude		
				Start		End
	Trash Rad	Trash Racks			3°	37.989633°
пеш	Item			-121.26693	3°	-121.266933 °
DWR ID	DWR_NA0	017_18_t _ 201	2_13			·
Action/Comments						

Inspector Comments: Trash racks were properly maintained and clear of debris.



View of the trash racks.

LM Start	0.00	Rating **	N	Issue No.	14		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS La	titud	le/Longitude		
Calegory				Start		End	
Item	Trash Rakes			37.9896	33 °	37.989633°	
iteiii				-121.2669	33 °	-121.266933°	
DWR ID	DWR_NA0	017_18_t _ 201					
Action/Comments							

Inspector Comments: Trash rakes don't exist at this plant.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	15	
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations				GPS Latitude/Longitude		
Calegory				Start		End
Item	Sluice / S	Sluice / Slide Gates			3°	37.989633°
пеш				-121.26693	3°	-121.266933 °
DWR ID	DWR_NA0017_18_t _ 2012_15					
Action/Comments						

Inspector Comments: The slide gate appeared to be in good condition. The wheel was removed for safety/security purposes.



View of the slide gate.

Location LS: Land Side WS: Water Side

A: Acceptable : Minimally Acceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 1		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	N	Issue No. 16		16		
LM End	0.00	Issue Type +	Ма	Location *				
Category Pump Stations				GPS Lat	itud	le/Longitude		
Calegory				Start		End		
Item	Electric G	Electric Gate Operators			3°	37.989633 °		
пеш				-121.26693	3°	-121.266933 °		
DWR ID	DWR_NA0	2_16						
	Action/Comments							

Inspector Comments: The item does not apply to the pumping plant.

LM Start	0.00	Rating **	Α	Issue No.	17		
LM End	0.00	Issue Type +	Ma	Location *			
Category	GPS Latitude/Longitude						
Calegory				Start		End	
Manual Gate Operators				37.98963	3°	37.989633	0
item				-121.26693	3°	-121.266933	0
DWR ID	DWR_NA0	017_18_t _ 201	2_17				

Action/Comments

Inspector Comments: Manual gate operator was in good operational condition.

LM Start	0.00	Rating **	Α	Issue No.	18			
LM End	0.00	Issue Type +	Ma	Location *				
Category Pump Stations				GPS Latitude/Longitude				
Calegory				Start		End		
Other Metallic Items			37.98963	3°	37.989633	0		
iteiii				-121.26693	3°	-121.266933	0	
DWR ID	DWR ID DWR_NA0017_18_t _ 2012_18							
Action/Comments								

Inspector Comments: All metal parts appeared to be in good condition.

No Photos

No Photos

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 1		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.		19
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations				GPS Latitude/Longitude		
Calegory				Start		End
Item	Flap Gate	Flap Gates			33 °	37.989633°
пеш				-121.26693	33 °	-121.266933 °
DWR ID	DWR_NA0017_18_t _ 2012_19					·
Action/Comments						

Inspector Comments: The flap gates appeared to be in good working condition.

LM Start	0.00	Rating **	Α	Issue No.	19 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the flap gates during 2018 inspection.

Photo 2 of 2: ST\_2018\_NA0017\_18\_19\_20180530\_00013.jpg



View of the flap gates during 2017 inspection.

							_
LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	itions		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Closure S	tructures	37.9896	33 °	37.989633	•	
пеш				-121.2669	33 °	-121.266933	•
DWR ID	DWR_NA0	017_18_t _ 201	2_20				
		Action/	Comme	nts			
Inspector (	Comments	: No closure s	structure	was preser	nt at	this plant.	

No Photos

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

### + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 1		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	М	Issue No.	21	
LM End	0.00	Issue Type +	Ma	Location *		
Pump Stations			GPS Latitude/Longitude			
Category			Start		End	
Item	Security F	encing		37.989633°		37.989633 °
пеш				-121.266933 °		-121.266933 °
DWR ID	DWR_NA0017_18_t _ 2012_21					
Action/Comments						

Inspector Comments: Part of the security fencing was missing due to recent vandalism. But, the plant building is secured. LMA has replaced fence within the past year and it was removed again.

LM Start	0.00	Rating **	М	Issue No.	21 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of missing fence links next to the pumping plant. Summer 2018

Photo 2 of 2: ST\_2018\_NA0017\_18\_21\_20180530\_00015.jpg



View of missing fence links next to the pumping plant. Summer 2017

LM Start	0.00	Rating **	Α	Issue No.	22		
LM End	0.00	Issue Type +	Ма	Location *			
Category	Pump Stations			GPS La	atitud	le/Longitude	
Calegory						End	
Item	Intake and Discharge Pipes			37.9896	33 °	37.989633	0
пеш		-121.266933 °		-121.266933	0		
DWR ID	DWR_NA0	017_18_t _ 201:	2_22		·		
		Action/	Comme	nts			
Inspector ( condition.	Comments	: The pipes ap	opeared	to be in god	od w	orking	

No Photos

A: Acceptable : Minimally Acceptable N: Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### **Unit Cover Sheet**

### 2018 Pumping Plant Inspection Results

# San Joaquin County Flood Control and Water Conservation District

Pumping Plant	
Mormon Slough Pumping Plant No. 2	

Pumping Plant Rating	A
Date of Inspection	6/21/2018
DWR Inspector	Dave Torres
Accompanied By	Jim Caruso San Joaquin County Channel Maintenance

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 2		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.	1		
LM End	0.00	Issue Type +	Ma	Location *			
Pump Stations			GPS Latitude/Longitude				
Category			Start		End		
Itom	Item Operating Log			37.9823	17°	37.982317°	
пеш				-121.24943	33 °	-121.249433 °	
DWR ID	DWR_NA0017_19_t _ 2012_1						
Action/Comments							

Inspector Comments: Operational log was present at the pump station.



View of the operation log inside the pumping plant.

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Calegory		Start		End			
Item	Operation & Maintenance Manual			37.9823	17°	37.982317	0
item				-121.249433 °		-121.249433	0
DWR ID	DWR_NA0017_19_t _ 2012_2						

#### Action/Comments

Inspector Comments: O&M Manual was found inside the plant during the inspection.



View of the O&M manual inside the plant.

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Plant Buil	ding		37.98231	7°	37.982317°	
пеш				-121.24943	3°	-121.249433 °	
DWR ID	DWR_NA0017_19_t _ 2012_3						
Action/Comments							

Inspector Comments: The plant building was in good structural condition without any major deficiencies.



View of the pumping plant.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable : Minimally Acceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 2		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.	4		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory		Start		End			
Item	Communications			37.9823	17°	37.982317	0
пеш				-121.2494	33 °	-121.249433	0
DWR ID	DWR_NA0	017_19_t _ 201	2_4				
		A - 1' 1	_				

Action/Comments

Inspector Comments: District personnel carry cell phones and radios.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Calegory		Start		End			
Item	Safety			37.9823	17°	37.982317	0
iteiii				-121.2494	33 °	-121.249433	0
DWR ID	DWR_NA0	017_19_t _ 201	2_5				

### Action/Comments

Inspector Comments: No safety hazard was found around the structure. All hand rails were in working condition.



View of the hand rails around the pumping plant.

LM Start	0.00	Rating **	N	Issue No.		6		
LM End	0.00	Issue Type +	Ma	Location *				
Category Pump Stations				GPS Latitude/Longitude				
Calegory	Category			Start		End		
Itom	Cranes			37.9823	17°	37.982317	0	
пеш	Item				33 °	-121.249433	0	
DWR ID	DWR_NA0	017_19_t _ 201	2_6					
	Action/Commonts							

Action/Comments Inspector Comments: No crane exists at this plant. No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable

M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

NA0017

#### Flood Control Project Maintenance Levee Inspections

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 2		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.		7
LM End	0.00	Issue Type +	Ma	Location *		
Pump Stations				GPS Latitude/Longitude		
Category	negory					End
Item	Pumps			37.9823	17°	37.982317°
item				-121.2494	33 °	-121.249433 °
DWR ID DWR_NA0017_19_t _ 2012_7						·
Action/Comments						

Inspector Comments: The pumps appeared to be well maintained and lubricated properly and the pumping system was tested periodically.

LM Start	0.00	Rating **	Α	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the pumps inside the pumping plant.

Photo 2 of 2: ST\_2018\_NA0017\_19\_7\_20180530\_00007.jpg



View of the shaft under a pump.

LM Start	0.00	Rating **	Rating ** A			8		
LM End	0.00	Issue Type +	Ma	Location *				
Category Pump Stations				GPS Latitude/Longitude				
Calegory				Start		End		
Item	Power			37.9823	17°	37.982317°		
пеш				-121.2494	33 °	-121.249433 °		
DWR ID DWR_NA0017_19_t _ 2012_8								
	A :: 10							

#### Action/Comments

Inspector Comments: The power source appeared to be safe and reliable.



View of the power source used by the pumping plant.

Location LS: Land Side WS: Water Side

A: Acceptable : Minimally Acceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 2		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.	10	
LM End	0.00	Issue Type +	Ма	Location *		
Category Pump Stations				GPS Latitude/Longitude		
Calegory				Start		End
Item		ngines, Fans	& Gear	37.9823	17°	37.982317°
пеш	Reducers			-121.24943	33 °	-121.249433 °
DWR ID	ID DWR_NA0017_19_t _ 2012_10					
Action/Comments						

Inspector Comments: The vent fan was operational during the inspection.



View of the vent fan.

LM Start	0.00	Rating **	Α	Issue No.		11	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Pump Stations				GPS Latitude/Longitude		
Calegory			Start		End		
Item	Pump Co	ntrol Systems		37.9823	17°	37.982317°	
пеш				-121.2494	33 °	-121.249433 °	
DWR ID	DWR_NA0017_19_t _ 2012_11						

#### Action/Comments

Inspector Comments: The pump control system is maintained and free of corrosion or any noticeable damage.



View of the power control system.

LM Start	0.00	Rating **	Α	Issue No.		12
LM End	0.00	Issue Type +	Ma	Location *		
Category	tions	GPS Latitude/Longitude				
Calegory	Calegory					End
Item	Sumps/W	et Well		37.9823	17°	37.982317 °
пеш				-121.24943	33 °	-121.249433 °
DWR ID	VR ID DWR_NA0017_19_t _ 2012_12					
Action/Comments						

Inspector Comments: The wet well appeared to be clear of excessive debris or sediments.



View of the wet well.

\* Location LS : Land Side WS : Water Side CR : Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

NA0017

#### Flood Control Project Maintenance Levee Inspections

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 2		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.	13	
LM End	0.00	Issue Type +	Ma	Location *		
Pump Stations				GPS Latitude/Longitude		
Category		Start		End		
Item	Trash Rad	cks		37.9823	17°	37.982317°
item				-121.2494	33 °	-121.249433 °
DWR ID DWR_NA0017_19_t _ 2012_13						
Action/Comments						

Inspector Comments: Trash racks were properly maintained and free of any debris.



View of the trash racks.

LM Start	0.00 Rating ** N		Issue No.		14		
LM End	0.00	Issue Type +	Ма	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Trash Rakes			37.9823	17°	37.982317°	
item				-121.2494	33°	-121.249433 °	
DWR ID DWR_NA0017_19_t _ 2012_14							
Action/Comments							

Inspector Comments: Trash rakes are not installed in this facility.

No Photos

LM Start	0.00	Rating **	М	Issue No.		15	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	itions		GPS Latitude/Longitude			
Calegory				Start		End	
Item	Sluice / Slide Gates			37.98231	7°	37.982317	0
item				-121.24943	33°	-121.249433	0
DWR ID	WR ID DWR_NA0017_19_t _ 2012_15						

Inspector Comments: The slide gate is not currently operational and requires repair.

Action/Comments

## Photo 1 of 1: ST\_2018\_NA0017\_19\_15\_20180625\_00025.jpg



View of the slide gate.

Location LS: Land Side WS: Water Side

A: Acceptable : Minimally Acceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 2		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	N	Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory				Start		End	
Item	Electric G	ate Operators	3	37.98231	7 °	37.982317 °	
пеш				-121.24943	3°	-121.249433 °	
DWR ID DWR_NA0017_19_t _ 2012_16							
	Action/Comments						

Inspector Comments: This item was not present at this location.

No Photos

Issue No. LM Start 0.00 Rating \*\* Α 17 Issue Type + Location \* 0.00 Ma LM End **Pump Stations** GPS Latitude/Longitude Category Manual Gate Operators 37.982317° 37.982317° Item -121.249433 ° -121.249433 ° DWR ID DWR NA0017 19 t 2012 17

Action/Comments

Inspector Comments: Manual gate appeared to be in good working condition. The wheel from the gate has been taken out for security purpose.

No Photos

Issue No. Rating \*\* LM Start 0.00 18 0.00 Issue Type + Location \* I M End Ma Pump Stations GPS Latitude/Longitude Category End Start Other Metallic Items 37.982317° 37.982317° Item -121.249433 ° -121.249433 ° DWR ID DWR\_NA0017\_19\_t \_ 2012\_18 Action/Comments

Inspector Comments: All the metal parts appeared to be in good condition.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma: Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 2		06/21/2018 06/21/2018	Dave Torres

LM Start	<b>0.00</b> Rating ** A			Issue No.		19
LM End	0.00	Issue Type +	Ma	Location *		
Pump Stations			GPS Latitude/Longitude			
Category			Start		End	
Item	Flap Gates			37.9823	17°	37.982317°
пеш	n			-121.2494	33 °	-121.249433 °
DWR ID DWR_NA0017_19_t _ 2012_19						
Action/Comments						

Inspector Comments: Flap gates were in good condition and showed no damage. There was a lot of vegetation growth around the outlet, but the gates operation was not affected.



View of the flap gates for the pumping plant.

LM Start	0.00 Rating ** N		Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Sta	itions		GPS Latitude/Longitude		
Category				Start		End
Item	Closure Structures			37.9823	17°	37.982317°
пеш				-121.2494	33 °	-121.249433 °
DWR ID DWR_NA0017_19_t _ 2012_20						
Action/Comments						

Inspector Comments: No closure structure was present at this plant.

No Photos

LM Start	<b>0.00</b> Rating ** A			Issue No.		21	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Pump Sta	tions		GPS Latitude/Longitude			
Calegory						End	
Item	Security Fencing			37.9823	17°	37.982317	0
iteiii				-121.2494	33 °	-121.249433	0
DWR ID	DWR ID DWR_NA0017_19_t _ 2012_21						

Inspector Comments: Security fencing was in good condition without any damage.

Action/Comments



View of the security fencing.

Location LS: Land Side WS: Water Side

A: Acceptable : Minimally Acceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2018

# San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 2		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.		22
LIVI Start						
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Sta	itions		GPS La	atitud	le/Longitude
Category				Start		End
Item	Intake and Discharge Pipes			37.9823	17°	37.982317 °
Item				-121.2494	33°	-121.249433 °
DWR ID	DWR_NA0	017_19_t _ 201	3_22			
	Action/Comments					
Inspector ( cracks.	Comments	: The pipes w	ere free	of any brea	ıks, I	holes or

No Photos

\* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

### **Unit Cover Sheet**

### 2018 Pumping Plant Inspection Results

# San Joaquin County Flood Control and Water Conservation District

Pumping Plant	
Mormon Slough Pumping Plant No. 3	

Pumping Plant Rating	A
Date of Inspection	6/21/2018
DWR Inspector	Dave Torres
Accompanied By	Jim Caruso San Joaquin County Channel Maintenance

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 3		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.		1		
LM End	0.00	Issue Type +	Ма	Location *				
Category	itions	GPS Latitude/Longitude		le/Longitude				
Calegory	tegory					End		
Item	Operating	Log		37.97398	3°	37.973983°		
item				-121.22996	7°	-121.229967 °		
DWR ID DWR_NA0017_20_t _ 2012_1						·		
	A ation / Commonsta							

#### Action/Comments

Inspector Comments: Maintenance log was present at the pumping plant.



View of the operating log inside the plant.

0.00	Rating **	Α	Issue No.		2	
0.00	Issue Type +	Ma	Location *			
Category Pump Stations					e/Longitude	
			Start		End	
	& Maintenan	ce	37.9739	83°	37.973983	0
Manual			-121.2299	67°	-121.229967	0
DWR ID DWR_NA0017_20_t _ 2012_2						
	0.00 Pump Sta Operation Manual	0.00 Issue Type + Pump Stations Operation & Maintenand Manual	0.00 Issue Type + Ma Pump Stations Operation & Maintenance Manual	0.00         Issue Type +         Ma         Location *           Pump Stations         GPS La         Start           Operation & Maintenance Manual         37.9739           -121.2299         -121.2299	0.00 Issue Type + Ma Location *  Pump Stations GPS Latitud Start  Operation & Maintenance 37.973983 ° Manual -121.229967 °	0.00         Issue Type +         Ma         Location *           Pump Stations         GPS Latitude/Longitude           Start         End           Operation & Maintenance Manual         37.973983 ° 37.973983           -121.229967 ° -121.229967

#### Action/Comments

Inspector Comments: The O&M Manual was present at the pumping plant next to the operating log.



View of the O&M manual inside the pumping plant.

LM Start	0.00	Rating **	Α	Issue No.		3
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations				GPS La	atitud	le/Longitude
Calegory			Start		End	
Item	Plant Buil	ding		37.9739	83 °	37.973983 °
пеш				-121.2299	67 °	-121.229967 °
DWR ID DWR_NA0017_20_t _ 2012_3						
Action/Comments						

Inspector Comments: The plant building appeared to be in good structural condition.



View of the pumping plant.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 3		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.		4		
LM End	0.00	Issue Type +	Ма	Location *				
Category Pump Stations				GPS Latitude/Longitude				
Calegory	ategory					End		
Item	Communi	cations		37.97398	3°	37.973983 °		
пеш				-121.22996	7 °	-121.229967 °		
DWR ID DWR_NA0017_20_t _ 2012_4								

Action/Comments

Inspector Comments: The district personnel carry cell phones and radios.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Stations				GPS Latitude/Longitude		
Calegory				Start		End	
Item	Safety			37.9739	83°	37.973983 °	
item				-121.2299	67°	-121.229967 °	
DWR ID DWR_NA0017_20_t _ 2012_5							

### Action/Comments

Inspector Comments: No safety hazard was found around the pumping plant and guard rails around the plant were in a good condition.



View of the guard rails around the pumping plant.

LM Start	0.00	Rating **	Ν	Issue No.		6	
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory	Calegory		Start		End		
Itom	Cranes			37.9739	83 °	37.973983	0
пеш	Item			-121.2299	67°	-121.229967	0
DWR ID DWR_NA0017_20_t _ 2012_6							
		Action/	Commo	ntc			

Action/Comments Inspector Comments: There are no cranes in this plant. No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable

M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 3		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.		7	
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Calegory	эту —			Start		End	
Item	Pumps			37.97398	3°	37.973983°	
item				-121.22996	7°	-121.229967°	
DWR ID DWR_NA0017_20_t _ 2012_7							
	Action/Comments						

Inspector Comments: All pumps appeared to be in good condition and maintained properly.

LM Start	0.00	Rating **	Α	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the pumps inside the pumping plant.

Photo 2 of 2: ST\_2018\_NA0017\_20\_7\_20180530\_00006.jpg



View of bottom shaft of one of the pumps inside the plant.

LM Start	0.00	Rating **	Α	Issue No.		8
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations				GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Power			37.9739	83°	37.973983°
item				-121.2299	67°	-121.229967 °
DWR ID DWR_NA0017_20_t _ 2012_8						
Action/Comments						

Inspector Comments: The power source appeared to be safe and reliable.



View of the power source for the pumping plant.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 3		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.	10			
LM End	0.00	Issue Type +	Ма	Location *				
Category Pump Stations			GPS Latitude/Longitude					
Calegory	tegory			Start		End		
Item		ngines, Fans	& Gear	37.97398	3°	37.973983 °		
пеш	Reducers			-121.22996	7°	-121.229967 °		
DWR ID	DWR ID DWR_NA0017_20_t _ 2012_10							
Action/Comments								

Inspector Comments: Pumping motors appeared to be operational and lubrication was maintained on all the pumps.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		11			
LM End	0.00	Issue Type +	Ma	Location *					
Catagony	Pump Stations			Pump Stations			GPS La	atitud	le/Longitude
Category				Start		End			
Item	Pump Co	ntrol Systems		37.9739	83°	37.973983 °			
item			-121.229967 °		-121.229967 °				
DWR ID	DWR_NA0	017_20_t _ 201	2_11						

### Action/Comments

Inspector Comments: The pump control system appeared to be operational and free of damage.



View of the power control systems inside the plant.

LM Start	0.00	Rating **	Α	Issue No.	12		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
			Start		End		
Item	Sumps/W	et Well		37.97398	33°	37.973983°	
пеш				-121.22996	67°	-121.229967 °	
DWR ID DWR_NA0017_20_t _ 2012_12							
Action/Comments							

Inspector Comments: Wet well was clear of any excessive debris.



View of wet well inside the pumping plant.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable

M: Minimally Acceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 3		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.	13		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Trash Rad	cks		37.973983°		37.973983 °	
пеш				-121.229967 °		-121.229967 °	
DWR ID DWR_NA0017_20_t _ 2012_13							
Action/Comments							

Inspector Comments: The trash racks were free of any debris.



View of the trash racks.

LM Start	0.00	Rating **	N	Issue No.	14	
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations			GPS Latitude/Longitude			
			Start		End	
Item	Trash Ral	ces		37.9739	83°	37.973983°
пеш				-121.229967 °		-121.229967 °
DWR ID DWR_NA0017_20_t _ 2012_14						
Action/Comments						

Inspector Comments: This item does not exist at this location.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	15		
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations			GPS Latitude/Longitude				
			Start		End		
Item	Sluice / S	lide Gates		37.97398	3°	37.973983 °	
пеш			-121.22996	67°	-121.229967 °		
DWR ID DWR_NA0017_20_t _ 2012_15							
Action/Comments							

Inspector Comments: Slide gates appeared to be free of sediment and obstructions.



View of the slide gate.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 3		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	N	Issue No.	16				
LM End	0.00	Issue Type +	Ма	Location *					
Catagony	Category Pump Stations			Pump Stations				ituc	le/Longitude
Calegory				Start		End			
Item	Electric G	ate Operators		37.97398	3°	37.973983 °			
пеш			-121.22996	7 °	-121.229967 °				
DWR ID	R ID DWR_NA0017_20_t _ 2012_16								
	Action/Comments								

Inspector Comments: This item does not exist at this location.

No Photos

No Photos

Rating \*\* Issue No. LM Start 0.00 17 Issue Type + 0.00 Ма Location \* LM End **Pump Stations** GPS Latitude/Longitude Category Manual Gate Operators 37.973983° 37.973983° Item -121.229967° -121.229967 ° DWR ID DWR\_NA0017\_20\_t \_ 2012\_17

Action/Comments

Inspector Comments: Manual gate appeared to be in good working condition. The wheel from the gate has been taken out for security purpose.

LM Start	0.00	Rating **	Α	Issue No.	18			
LM End	0.00	Issue Type +	Ma	Location *				
Category Pump Stations				GPS Latitude/Longitude				
Calegory			Start		End			
Item	Other Met	allic Items		37.97398	33°	37.973983°		
item				-121.22996	67°	-121.229967 °		
DWR ID	VR ID DWR_NA0017_20_t _ 2012_18							
Action/Comments								

Inspector Comments: Other metalic parts within the pumping plant appeared to be in a good condition.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2018

## San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 3		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.	19		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Flap Gates			37.973983°		37.973983 °	
item				-121.2299	67°	-121.229967 °	
DWR ID	DWR_NA0017_20_t _ 2012_19						
Action/Comments							

Inspector Comments: Flap gates were not visible during inspection due to water level.



View of the flap gates.

LM Start	0.00	Rating **	N	Issue No.	20		
LM End	0.00	Issue Type +	Ма	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Calegory				Start		End	
Closure Structures				37.973983°		37.973983°	
item				-121.229967 °		-121.229967 °	
DWR ID	R ID DWR_NA0017_20_t _ 2012_20						
Action/Comments							

Inspector Comments: This item does not exist at this location.

No Photos

LM Start	0.00	Rating **	М	Issue No.		21		
LM End	0.00	Issue Type +	Ма	Location *				
Category	Pump Stations			GPS Latitude/Longitude				
Calegory				Start		End		
Item	Security Fencing			37.9739	83 °	37.973983°		
item				-121.2299	67°	-121.229967 °		
DWR ID	DWR_NA0	017_20_t _ 201	2_21					

Action/Comments Inspector Comments: Security fencing was damaged in one area near gate and requries repair.



View of the security fencing.

Location LS: Land Side WS: Water Side

A: Acceptable : Minimally Acceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

### Levee Inspection Report By Mile - Structure 2018

# San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 3		06/21/2018 06/21/2018	Dave Torres

LM Start	0.00	Rating **	Α	Issue No.		22		
LM End	0.00	Issue Type +	Ма	Location *				
Category	Pump Stations			GPS Latitude/Longitude				
Calegory				Start		End		
Item	Intake and Discharge Pipes			37.973983°		37.973983°		
пеш				-121.229967 °		-121.229967 °		
DWR ID	DWR_NA0017_20_t _ 2012_22							
Action/Comments								
Inspector Comments: Pipes appeared to be in good condition.								

No Photos

\* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement